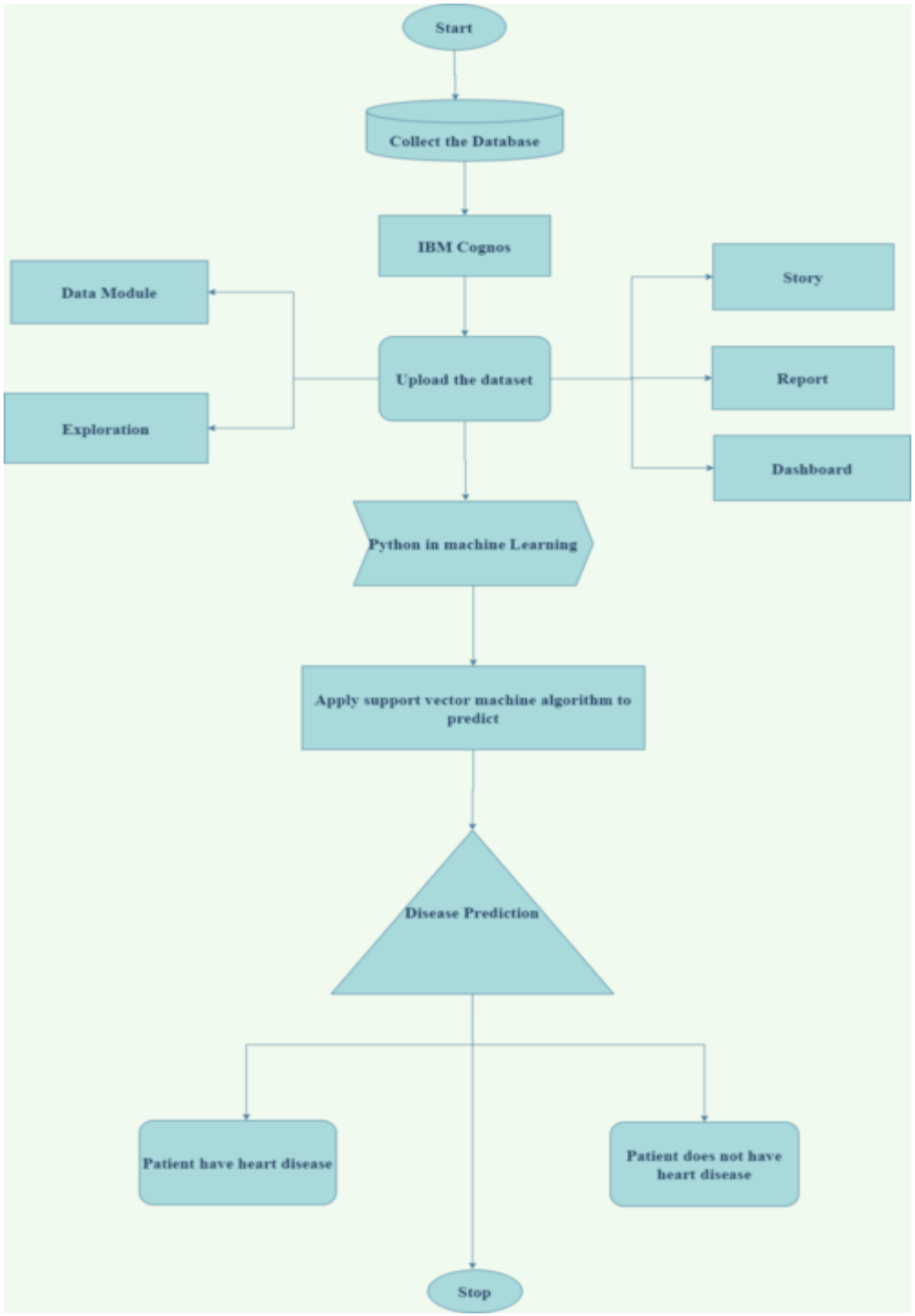
Visualizing and Predicting Heart Diseases with an Interactive Dashboard

Date	3 October 2022
Team ID	PNT2022TMID19891
Project Name	Visualizing and Predicting Heart Diseases with an Interactive Dashboard

Data Flow Diagram:


Start
Collect the Database
IBM Cognos
Data Module
Exploration
Upload the dataset
Story
Report
Dashboard
Python in machine Learning
Apply support vector machine algorithm to predict
Disease Prediction
Patient have heart disease
Patient does not have heart disease
Stop

User Stories:

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
		USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
		USN-3	As a user, I can register for the application through Facebook	I can register & access the dashboard with Facebook Login	Low	Sprint-2
		USN-4	As a user, I can register for the	I can register & access the dashboard	Medium	Sprint-1

			application through Gmail	with Gmail Login		
	Login	USN-5	As a user, I can log into the application by entering email & password	I can register & access the dashboard with Gmail Login	High	Sprint-1
	Dashboard	USN-6	Profile - view & update your profile	I can see the profile.	Medium	Sprint-2
		USN-7	Change Password - user can change the password	I can able to change the password.	High	Sprint-1
		USN-8	Home - Analyze your Heart	I can detect the health condition from where ever I want	High	Sprint-1
		USN-9	The user will have to fill in the below 13 fields for the system to predict a disease -Age in Year -Gender -Chest Pain Type -Fasting Blood Sugar	These are the categories available in that application.	High	Sprint-2

			-Resting Electrographic Results (Restecg) -Exercise Induced Angina(Exang) -The slope of the peak exercise ST segment -CA-Number of major vessels colored by fluoroscopy -Trest Blood Pressure -Serum Cholesterol -Maximum heart rate achieved(Thalach) -ST depression induced by exercise(Oldpeak)			
		USN-10	View Doctors - view doctor detail by searching by names or filter by specialty	Using this application, people can known that the	Medium	Sprint-1

				speciality doctors.		
Customer (Web user)	System Requirement	USN-11	I. Hardware Requirement i. Laptop or PC ● I5 processor system or higher ● 4 GB RAM or higher ● 128GB ROM or higher ii. Android Phone (12.0 and above)	These are all the specification available on your PC.	High	Sprint-2
		USN-12	II. Software Requirement iii. Laptop or PC Windows 10 or higher Android Studio	Install your Application. This system can be used to predict the presence of heart disease.	Medium	Sprint-2
		USN-13	Reference-https://ieeexplore.ieee.org/document/9619208/	Go and Check our Reference link.	Medium	Sprint-1
Customer Care	Dashboard	USN-14	Query	You can post your	High	Sprint-1

Executive				queries in the text box available in that application.		
		USN-15	Toll Free(8365492107)	Ask your doubts in given number	High	Sprint-1
Administrator	Dashboard	USN-16	Verification	Verification through CAPTCHA Verification through I'm not a robot	High	Sprint-1
		USN-17	validation	Reconfirming the new password Sending a two digit number in (Google account) your Old devices, so that you can enter into a new device By entering the two digit number.	High	Sprint-2
		USN-18	Feedback - send feedback to the Admin.	Please send your feedback to the host.	Medium	Sprint-2